

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1. (Original) A radio communication method in a radio LAN system for radio communication based on TDMA system with idle time provided between data to be transmitted and received by radio communication terminals on a radio section, wherein:

said radio communication terminals carrying out radio communication perform such communication setting as to reduce transmission time of the header added to said data and/or to reduce said idle time.

2. (Original) The radio communication method according to claim 1, wherein, for the purpose of performing communication setting to reduce the header transmission time and/or said idle time, said radio communication terminal acquires an ability to reduce said transmission time of said header of said radio communication terminal, serving as communication partner, and/or to reduce said idle time.

3. (Original) The radio communication method according to claim 2, wherein said radio communication terminal acquires an

ability to reduce transmission time of said header of said radio communication terminal, serving as said communication partner, and/or to reduce said idle time from a radio communication terminal different from said radio communication terminal, serving as said communication partner.

4. (Currently Amended) The radio communication method according to ~~any one of claims~~ claim 1 to 3, wherein said radio communication terminals perform said radio communication according to communication setting to reduce said header transmission time and/or said idle time.

5. (Original) A radio communication method in a radio LAN system for radio communication based on TDMA system with idle time provided between data to be transmitted and received by radio communication terminals on a radio section, wherein:

said radio communication terminals carrying out radio communication reduce transmission time of the header added to said data and/or said idle time to perform communication.

6. (Original) The radio communication method according to claim 4 or 5, wherein said radio communication terminals change

communication setting to reduce said header transmission time and/or said idle time.

7. (Original) The radio communication method according to claim 6, wherein said radio communication terminal acquires ability to reduce said header transmission time and/or said idle time of said radio communication terminal, serving as said communication partner, from a radio communication terminal different from said radio communication terminal, serving as said communication partner, and by referring to said ability, said radio communication terminal changes communication setting to reduce said header transmission time and/or said idle time.

8. (Original) The radio communication method according to claim 4 or 5, wherein, when said radio communication terminal transmits said data, said header is added to said data for each of the predetermined data transmissions and reduces said header transmission time by transmitting the other data without adding said header.

9. (Original) The radio communication method according to claim 8, wherein number of said data transmissions where said header is added is set in said communication setting.

10. (Original) The radio communication method according to claim 4 or 5, wherein said radio communication terminal acquires said header added to said data existent on said radio section in advance, and if said data without said header added to it is received, transmission time of said header is reduced by referring to said header acquired in advance.

11. (Original) The radio communication method according to claim 4 or 5, wherein, in case said radio communication terminal receives an information relating to the header of a radio communication terminal, serving as said communication partner, identification information to identify the radio communication terminal, serving as transmission source of said information relating to said header, is associated with the information relating to said header received, and said identification information is transmitted to said radio communication terminal, serving as the transmission source.

12. (Original) The radio communication method according to claim 4 or 5, wherein said radio communication terminal transmits said information relating to header to said radio section as said data and adds a predetermined identification information

associated with said header to the data to be transmitted subsequently.

13. (Currently Amended) The radio communication method according to claim 11 or ~~12~~, wherein said identification information is set in said communication setting.

14. (Original) The radio communication method according to claim 4 or 5, wherein said radio communication terminal receives said data and transmits the data after said receiving acknowledgment information when the receiving acknowledgment information to notify that said data has been received is transmitted.

15. (Original) The radio communication method according to claim 14, wherein said radio communication terminal terminates transmission of said data following said receiving acknowledgment information in accordance with a predetermined condition.

16. (Original) The radio communication method according to claim 1 or 5, wherein communication in accordance with IEEE Std 802.11 is utilized as said radio communication.

17. (Original) A radio communication terminal in a radio LAN system, wherein radio communication based TDMA system is performed with idle time provided between the data transmitted and received by the radio communication terminals on radio section, wherein:

communication setting can be set to reduce the transmission time of header added to said data and/or said idle time.

18. (Original) A radio communication terminal in a radio LAN system, wherein radio communication based TDMA system is performed with idle time provided between the data transmitted and received by the radio communication terminals on radio section, wherein:

said radio communication can be performed by reducing the transmission time of the header added to said data and/or said idle time.

19. (Original) The radio communication terminal according to claim 18, wherein communication setting to reduce transmission time of said header and/or said idle time during said radio communication can be changed.

20. (Original) The radio communication terminal according to any one of claims 17 to 19, wherein communication in accordance with IEEE Std 802.11 is utilized as said radio communication.

21. (Original) A radio LAN system where radio communication based on TDMA system is performed with idle time provided between the data transmitted and received by radio communication terminals on a radio section, wherein:

said radio communication terminals for performing said radio communication can carry out communication setting to reduce transmission time of header added to said data and/or said idle time.

22. (Original) A radio LAN system where radio communication based on TDMA system is performed with idle time provided between the data transmitted and received by radio communication terminals on a radio section, wherein:

said radio communication terminals for performing said radio communication can carry out said radio communication by reducing transmission time of header added to said data and/or said idle time.

23. (Original) The radio LAN system according to claim 22, wherein said radio communication terminal can change the communication setting to reduce transmission time of said header and/or said idle time during said radio communication.

24. (Original) The radio LAN system according to any one of claims 21 to 23, wherein communication in accordance with IEEE Std. 802.11 is utilized as said radio communication.

25. (New) The radio communication method according to claim 12, wherein said identification information is set in said communication setting.